

215 A 1470-1

Mercurius Coelicus.

SIVE

A L M A N A C K

ET

PROGNOSTICON

Vel

Speculum anni à Nativitate

Jes. C. 1662

Being the second after Bissextile or Leap Year.

Wherein is contained

The Suns ingress in the four cardinal points.

A description of the Eclipses this Year.

The exact hour and min. of the new Moon her full and quarters.

The daily disposition of the Weather.

Excellent notes of Husbandry and Gardening.

The whole Fair in Scotland.

A table shewing the age of the Moon every day.

A table shewing the hour and min. of full sea at Leith.

A most excellent table shewing the weights and measures of all Metals and Stones.


A table shewing the exact hour and min. of the Sun rising (and setting) every 6 day, and by proportion for every other day of the year.

Exactly calculated for the Latitude of 56 d. 30 m.

By JAMES FORSS Philosopher.

EDINBURGH.

Printed by a Society of Artificers.


To the Right Honourable,
the Lord Provost, Bailies,
and Remnant venerable
Senators of the most Anci-
ent and Famous City of
Glasgow.

EVERY desertful birth in any man, his Sovereign may
challenge a part, his Countrey a part, his Parents a
part, and his friends a part. Though I cannot be useful
in every respect to each of these, yet I will strive to ex-
presse (at least) a will, if not a perfection in ability to all.
Where a general voice warrants an approbation, there
every service is a duty: The truth whereof both con-
cerns and invites me to make a particular Dedication
of some serious hours to your survey, as being assured,
that your Lordships are as much patronages of Vertue as
paterns of Honour. For Vertues sake vouchsafe this
poor testimony of my observancy, though presented at
no lesse a distance then the head is from the feet, or the
Center (may be supposed) from the Circumference: the
altitude of my ambition aiming no higher, then that
your Lordships would honour me with the title of being

Your Lordships most
humble servant,

JAMES CORSS.

A brief Computation of Memorable things to this present year of God, 1662.

The Creation of the World	5611
The general Deludge	3955
Fergus the first King of Scotland	1991
The death of Alexander the great	1985
The Christian faith was received in Scotland	1452
The invention of Guns	282
The invention of Printing	219
Glasgow's Colledge was builded (by Bishop Turnbull	207
The Birth of King Charles } First	62
the } Second	32
The Martyrdom of King Charles I.	14
King Charles was Crowned at Scoon	12
The great fire in Glasgow.	10

Common or vulgar Notes this Year, 1662.

The Golden Number	10
The Epact	20
Dominical Letter	E
Fastens Even	Febr. 11
Easter day	March 30
Ascension day	May 8
Whitsunday	May 18

Of the Eclipses happening

I 6 6 2.

Here will be only two Eclipses of the Sun this present Year 1662. One happening in March, the other in September, but no Eclipse of the Moon at all.

The first Eclipse of the Sun happens on Monday morning the 30 of March, about our two o'clock in the morning; This Eclipse will be seen of such as sail upon the Indian Sea, beyond the Line, about Green-Islands, near Nova Guienna, where it will appear total; It may also be observed in the Islands Sumatra, Borico, &c.

The other Eclipse of the Sun happens on Tuesday the second of September about noon, yet will not be visible to us in respect of the Moons Parallax. It will be a great Eclipse in Guinæa, &c. But because it will not be visible to us, I forbear to mention it further.

The ingresse of the Sun into the four Cardinal Points this Year 1662.

			d.	h.	m.	
The Sun enters	Aries	March	9	18	41	Post me- ridiem.
	Cancer	June	10	21	38	
	Libra	Septemb.	12	12	48	
	Capricorn	Decemb.	11	00	19	

The

The exact day; hour and minute of the New Moon, here

of the weather; With the whole Laws of Scotland. And also, excellent notes of Husbandry and Gardening, &c. Digested into Monthly Observations, for the Year, 1661.

January, hath xxi. Dayes.

Last quarter the 3 day, 30 min. past noon
New moon the 10 day, 5 min. past 4 in the morning.
First quarter 16 day, 11 min. past 11 at high water
Full moon 24 day, 30 min. past 5 in the morning

The 1 2 3 day cold wind, 4 5 and 6 frost, the 7 8 9 10 inclining to snow, 11 and 12 windie; and tempestuous, from thence to the 19 more temperate, 20 21, 22, 23 rains and winds, the rest of the month seasonable.

The first Fair in the year, is S. Naughlans, at the Kirk of Berhelny, in Gerry, upon the 7 day. S. Mungo in Glasgow the 13 day a Fair, And at Dunkel, and Kelving, the 21 day.

Cur timber, rake away all superfluous branches from fruit trees, drench weak and sick Cartel with Verjuce, Horses with water, and grind Malt; fodder with a little Bran; dig Gardens

February, hath xxviii. Dayes.

Last quarter the 1 day, 30 min. past 9 in the morning.
New moon the 8 day, 5 min. past 4 in the afternoon.

First

First quarter 13 day, 1 min. past 8 in the morning.

Full moon 23 day, 37 min. past 10 at night.

The first 6 daies windy, with smal shobozs of rain now and then, thence to the 13 more temperate, from the 13 to the 20 some shobozes of rain, 21 22 inclining to hail, 23, 24, 25 frost, to the 27. The moneth fair weather.

At Abernethy and Forres in Murrayland, called S. Brides day, 19 On Candlemasse day in Banff, Dunkell, Dingwall the 2. day. And at Forfar the 15 day, holding eight dayes. A shewednesdayes Fair beginneth on Fastens even.

Set, Cut, and lay Quick-sers and Roses, sow Beans and Pease and Oats, especially the land being cold and stiff, furnish your Gardens with Sallads for Summer.

North, hath xxii. dayes.

First quarter 3 day, 11 min. past 3 in the morning.

New moon 10 day, 10 min. past 2 in the morning.

First quarter 16 day, 4 min. past 6 in the afternoon.

Full moon 24 day, 45 min. past 3 in the afternoon.

The first thre dayes bad weather, 4 5 inclining to rain, 6 7 temperate, 8 9 10 cold rains, from the 10 to the 18 various, with cold North winds, from the 18 to 22 more gentle, the rest of the moneth warm pleasant weather.

S. Monnece in Aberd. Dunfer. Aberherdex, and S. Marnoch Kirk the 1 day, at Perrennec 2. S. Durhos in Tain of Rok the 3 day, in Auchtermul the 10 day, S. Clausnan the 11 day, S. Patrick in Dumbarton, and at the Kirk of Strageeth the 16 day, in S. Johnstoun the 19 day, Culbert in Longtoun of the Men the 20 day, Lady day in West-meems Banff, and Auchtermul the 25 day, Palm Sunday at the Kirk of Forfar, and in S. Johnstoun, and Skyerthursday said is upon Thursday before Good-friday, at Cowper of Angus: Otherwise, the 25 day.

Cover the roots of your trees (opened in December) with rough earth, sow Pease, Beans, Oats, Parsnips, Onions,

Onions, Artichoaks, Cucumbers, manure Barley land,
but in cold clay ground, sow at the months end.

April, hath xxx. dayes.

Last quarter 1 day, 55 min. past 4 in the afternoon.

New moon 8 day, 45 min. past 10 in the afternoon.

First quarter 15 day, 48 min. past 5 in the morning.

Full moon 23 day, at 9 hours in the morning.

The first 7 dayes fair and temperate, but some
cold east winds with mist, from the
drizzling rains, 16, 17, 18, fair and pleasant.

19 20 21, 22, various, 23 24, 25, 26 27, more
seasonable, the rest mighty winds.

S. Donald fair at the Kirk of Achtheles 17 day, Mark
Evangel in Dyser the 23 day, Beltan day the first, the 26
day, a fair at Leaven the 29 day, and in Kilreny the 30 day.

Whiles in March, and whiles in April.

Skirethursday before Pasch, in Glasgow, Dundarrany, Cou-
per of Angus, Elgin of Murray, Paschmunday in Couper of
Fife, Lanerk, and Irwing, Lonsunday after Pasch in Killi-
more, and all the week after at the Senxre of Saint Andrews.

Yet it is good to sow Barley, chiefly in strong land,
sow and set some Garden seeds and herbs to the end of the
Month: Bark trees, and let not labourers
want naures at undance. Sow Flax and Hemp.

May, hath xxxi. dayes.

Last quarter 1 day, 1 min. past 3 in the morning.

New moon 7 day, 31 min. past 6 at night.

First quarter 14 day, 36 min. past 7 at night.

Full moon 22 day, 42 min. past 11 at night.

Last quarter 30 day, 22 min. past 10 in the morning.

Pleasant weather to the 10 day, 10 11 some-
what cold, thence to the 14 winds and rain, 15
16, 17 18, more calm, thence to 25 wholesome
blasts, and to the months end rain and thunder
in many places.

The first day of May, called S. Philip, a fair in the Grange, within the Sheriffdom of Linlithgow.

Holy-Crosse day, the second Beltan, in Monroffe, Kinrocher and in Pebbles the 2 day, at Bamff the 16 day, and in Sterling a fair, 10 dayes before Whitsunday.

Whites in May, and whites in June.

Whitsunday in Glasgow, Dumbarton, Lanerk, and Jedburgh. Whitsun tuesday, called Pardon day, in the Chantry of Kelso, and at the Kirk of Ninians above Kirkcaldy. Trinity Monday in Edinburgh and Brechin 8. dayes in S. Andrews. The day, usually Thursday in Falkland.

Sow Barley, set and sow tender herbs and seeds, as Marjoram, Summer-savory. Set your Stilitors to work, using May dew; stir your land for Wheat and Rye.

June, bath xxx. dayes.

New moon 6 day, 18 min. past 2 in the morning.

First quarter 13 day, 27 min. before noon.

Full moon 21 day, 32 min. past noon.

Last quarter 28 day, 56 min. past 2 in the afternoon.

First 10 dayes pleasant showres of rain do comfort the earth and the husband-man; from the 10 to the 15 high winds, thence to 20 inclining to rain, 21 22 23 24, very pleasant, with gentle gales of wind the remaining dayes.

A fair in Kinross the first tuesday of June. A fair in Strathmiglo and Aberdun the 5 day, A weekly mercat in Forfar, beginning the 8 of June, of Neat, Sheep, Horse, and other, &c. containing till the first of Octob. the 10 day, a fair in Forgon-deny, S. Barnabie in Lawder and Dyfart 11 day, S. Margaret in Abernethie, Ceres in Fife 12 day, Midsummer on S. Johns day in S. Johnstoun five dayes, in Aire four dayes, in Wag-ton, Bamff and Aithelston 14 day, in Auchtermuil the 15 day, and at Moffet the 18 day, S. Margaret in Dumfermling, in Earlestown the 19 day, Midsummer day in Forres, the 24 day, in Alaby, in Angus, called S. Emagila, the 25 day, S. Peters day at Forfar the 26 day, holding four dayes. As also in Faulkland, Bruntland, Bamff, and Kelso 26 day, in Pebbles the

29 day, S. Seriffair, the last tuesday of this month, S. John Baptist day, a fair in Frazerburgh 24 of June.

Set Jill-flowres and Rose-mary; shear sheep, fetch home fewel. Towards the end of the Month begin to move.

July, hath xxxi. Dayes.

New moon 5 day, 56 min. before noon.

First quarter 12 day, 24 min. past 4 in the morning.

Full moon 20 day, 43 min. past 11 at night.

Last quarter 27 day, 54 min. past 8 in the afternoon.

This month begins with gentle showers for the first 3 days, thence to the 15 fair, from the 15 to 21 rain, with thunder, the rest fair.

Culros the 1 day, Abernethie and Auchtermughie 2 day, S. Martine of Bulzeon 4 day, S. Thomas 5 day, S. Palladius in Forden in the Mernes 6 day, S. Andrew in Glasgow the 7 day, Kilwinning the 12 day, the 13 Saint Margaret in Kil-linure, 6 dayes at the Kirk of Forrig, the third tuesday in this moneth a fair in Stirling the 20 day, Mary Magdalene in Linlithgow, Pettenweem, and Path-head 22 day, in Airth the 24 day, S. James in Forfars, Cowper of Fife, Lanark and Roxburgh; Kinghorn, and in Musselburgh, 25 day.

Gather Flowrs and Seeds in their proper hours, and dry them in the shade (but to avoid corruption) give them a little Sun-shine. Beware of cold. Drink little.

August, hath xxxi. Dayes.

New moon 3 day, 7 min. 10 at night.

First quarter 11 day, 33 min. past 10 at night.

Full moon 19 day, 47 min. past 9 in the morning.

Last quarter 26 day, 33 min. past 2 in the morning.

The first 15 daies temperate, 16, 17 18 19 till 26 have pleasant westerly gales of wind, good for Dumbart fishing, and the rest of the moneth exceeding seasonable for ripening cornes.

Lambmasday in Atturfe 3 dayes long, and in Melrois, Ennerketting, S. Andrews, and in Dumbart on the 1 day, Lanch

rance fair in Rane, the first tuesday and thursday after in Falkland, S. Lawrence in Selkirk, Auchtermuchry and in Forres 10 day, in Rane, 2 dayes before Kilmahug, and at the burn of Campsie, Radey day in Dundee and Bamff, in Mernes 15 day, Bartholomew Apostle in Linlithgow, Kinkarn of Neill, and in Clackmannan, and Peebles the 24 day, Samarevis day in Forres 27. and S. Johns day in S. Johnstoun the 29 day.

Reap wheat & Rye, sow Winter herbs in the New Moon: If your soil be good, cut down your Oats.

September, bath xxx dayes.

New moon 2 day, 12 min. before noon.

First quarter 10 day, 43 min. past 3 in the afternoon.

Full moon 18 day, 20 min. past 5 in the morning.

Last quarter 24 day, 18 min. past 10 in the morning.

The first 8 daies pleasant, from the 9 to the 13. The 13, 14 and 15 fair, the rest of the month, there is east and northeast winds; so many daies by the moon is on Michaelmasse day, so many floods will happen that winter.

Saint Giles in Elgin 1 day, in Moffat the 2 day, in Skir-
lin the 3 day, Latter Lady day in Sterling, Dundee and
Bamff 4 day, Radey day in Carill, Jedburgh, Dumfermling
Dunfermling, and Arbelston 24 day, in Auchtermur and Salane
the 21 day. A fair at Forfar the 15 day, holding eight
dayes. Matthew Apostle in Linlithgow 21 day, A fair at
Leven the 27 day, Saint Michael in Haddington, Leslie, Ayr,
S. Andrews, Crief, and Kirkcubright, and at the Kirk of For-
rig the 29 day, S. Jerome in Bamff the last day.

Gather the fruits of your trees, about the end of the
month sow Wheat and Rye in cold and strong land.

October, bath xxxi. dayes.

New moon 2 day, 18 min. past 4 in the morning.

First quarter 10 day, 39 min. past 7 in the morning.

Full moon 17 day, 48 min. past 4 in the morning.

Last quarter 23 day, 33 min. past 9 at night.

New moon 31 day, 38 min. past 10 at night.

The

The first 6 daies cold and rainie, with mist
thence to the 12 moze temperate, 13, 14, 15
violent winds, from the 15 to 23 some showers
of hail with rain, and very barous to its end.

The 1 2 and 3 a fair in Salt Preston, S. Francis in Aber-
nethy the 4 day, Dionise in Peebles, Earlston, Kirkintilloch,
Aiton, Auchtermuchty Ceres in Fife. and in Killimure the 9
day, ~~at Duns~~ at Duns.

day, in Forgondennie 15 day, S. Luke in ~~at Duns~~ at Duns, Kinross
Rugland 18 day, Mary Salamine in Sterling and Kells 19
day, A fair at Forfar the 24 day, holding eight days, in Lin-
lithgow 24, in Kilreny, and Stramiglo 25, Fowles fair
Pasley, and Falkirk 26 day, Simon and Jude in Dysert, Fal-
kirk, Cockany, and Kirkliston 28 day, in Alloway 29 day.

The New Moon makes a fit time to set and remove
young fruit trees, after the Full, gather winter fruits.

November, hath xxx. dayes.

First quarter 8 day, 40 min. past 9 at night.

Full moon 15 day, 30 min. past 2 in the afternoon.

Last quarter 22 day, 45 min. past noon.

New moon 30 day, 27 min. past 5 in the afternoon.

Great winds begin the month, 11 12, dayes
fair weather, thence to 24 frost, the rest of the
moneth inclining to rain.

Hallowday in Edinburgh 8 dayes, in Faulkland, Dun-
blane, Fordyce 1 day, in Alythie 2 day, in Kilwinning 3 day,
S. Leonard in Lanark, in Forres 6 day, S. Matthe in Dundee,
Melrois, Marrinskirk, Strabogie, Comper of Fife, Hamilton,
Culroffe, Kilmahug 11 day, S. Clement in Dundie 12 day,
Margaretmesse in Dunfermling 16 day, S. Machibane in
Tane and Auchtermuchty 22 day, Brunstland 23, S. Andrew in
St. Johnstone, Peebles and Chirnside 30 day.

Kill Swine, remove trees, set Beans and pease, muck
over the roots of your Apple-trees, & stand to till March.

December hath xxx. dayes.

First quarter 8 day, 37 min. past 9 in the morning.

Full moon 15 day, 16 min. past 1 after midnight.

151311

La

Last quarter 22 day, 48 min. past 7 in the morning.
 New moon 30 day, 23 min. before noon.

The first 8 daies cold and nipping, 9 to 12 strong frost, 13 14 15 rain or snow, the rest the end kindly winter weather.

Saint Nicolas in Aberdeen 7 day, La. day in Westward 8 day, S. Duffane in Banff, and at the Kirk of Duff 14 day, S. Culbert in ...

... now the 15 day, S. Johns day in Banff, in Forres 27 day.

Cut timber, fallow land, for Barley, let a fire be thy bath, the Kirchin thy Apothecaries Shope, and good for meat thy dyet, extend thy charity to the poor.

A most excellent Table shewing the Weights and Measures of all Mettals and Stones.

The common Radius is a 1000.

13200	Gold.	120
7880	Quick-silver.	140
6798	Lead.	160
6315	Silver.	180
4938	Brasse.	200
4333	Iron.	230
4007	Tin.	250
1645	Marble.	680
1420	Ord. Freeston.	710

The use of the Table is twofold. For,

The Inches of the capacity of any Metall or Stone (named) being given to find the Ounces of the weight thereof.

As the Radius 1000. is to the solid Inches of any Metall or Stone (named) so is the left hand number of the Metall or Stone to the ounces of the weight thereof.

Example. Let there be an Iron Bullet of 8 Inches Diameter, which by solid measuring is found to contain 68 Inches

Inches and one fifth part: then to find the weight thereof (in ounces) I say, As the *Radius* 100. is to 268 and one fifth part, so is 4333. (the left hand number) to 1162. ounces, that is 72. pound, 10 ounces as was required.

2. The weight (in ounces) of any Metal or Stone (named) being given, to find the solid capacity thereof in Inches.

As the *Radius* 1000. is to the weight (in ounces) of a Metal or Stone, so is the right hand number of the said Metal or Stone to the solid Inches of the capacity thereof.

Example. An Iron Buller of eight Inches Diameter weighs 1162. ounces. I say, as the *Radius* 1000. to 1162. ounces, so the right hand number 230. to 268. find the solid Inches contained in the said Buller, &c. I could be more ample herein, but an unthankful generation deserves not at my hands. Nevertheless, such ingenious Gentlemen as desire further satisfaction in the premises (or what follows) may take notice.

That these Arts and Sciences following, are taught at my house (and abroad at Gentlemens houses, &c.) in the head of Robertsons Closse, hard by the Lady Yessers Church in Edinburgh.

Arithmetick in several kinds, viz. *Natural*, *Astronomical*, and that admirable and more then mortal Invention of *Logarithms*, first invented by the thrice Noble & Illustrous Lord John Lord Neper, Barron of Marchiston, &c. in Scotland.

Horometria, or the arte of *Dyaling*, teaching how to draw all sorts of *Sun-dials* easily and speedily, upon any place howsoever situate, &c.

Geometry, shewing how to take the distances of *Cities*, *Towns* and *Places*: to find the heights of *Hills*, *Steepls*, *Castles*, *Towers*, to survey grounds, and measure solidities, to conduct *water pypes* (for domestick services) or *Mines* under the earth for publick uses, with other *Martial Engines* not mentioned, &c.

Astronomy, shewing how to resolve all manner of *Questions*, and how to calculate the true places of all the *Planets* and fixed *Stars*: to erect *Celestial* *schems* or *figures* for any time assigned, to calculate the *Eclipses* of the *Luminaries* for any time past, present, or to come.

Last quarter 22 day, 48 min. 20. 7 in the morning.
New moon

A Table shewing the exact time of the Suns rising every fifth day, exactly calculated for the Latitude of 56. degrees, 20. min.

Names of the Months	The dayes of each Moneth.						
	5 day	10 day	15 day	20 day	25 day	30 day	
January	8 23	8 12	8 3	7 53	7 42	7 29	
February	7 48	7 6	6 55	6 43	6 31		
March	6 12	6 0	5 48	5 36	5 24	5 10	
April	4 58	4 48	4 36	4 26	4 15	4 5	
May	3 55	3 47	3 39	3 32	3 26	3 21	
June	3 18	3 17	3 18	3 23	3 23	3 28	
July	3 35	3 42	3 50	3 59	4 9	4 19	
August	4 32	4 42	4 54	5 5	5 17	5 28	
September	5 42	5 54	6 3	6 17	6 29	6 41	
October	6 52	7 4	7 16	7 27	7 38	7 49	
November	8 1	8 11	8 20	8 27	8 34	8 39	
December.	8 42	8 43	8 42	8 40	8 36	8 31	

The hours and minuts of Suns rising.

The use of this Table is this with the 5. 10. 15. 20. 25. or 30. day of your Month, enter this Table, finding the dayes on the top, and month on the margent; and in the common Angle you have the exact time of Sun rising for the said day, and by the rule of proportion for any other intermediate day.

Example, I desire to know the exact time of the Suns rising the 15. day of May: I look in the Table, and I find that the Sun riseth 39. min. past 3. in the morning. In like manner the 15. day of June 18. min. past 3. in the morning. the 15. of July 50. min past 3. &c.

If you desire to know the time of Sun setting, subtract the time of Sun rising from 12. hours, the remainder will be the time of Sun setting. A word is enough to a wise man.

A ready Table shewing the Age of the Moon
every day throughout this Year, 1662.

	January	February	March	April	May	June	July	August	Septemb.	October	Novemb.	Decemb.
1	21	22	21	22	23	25	25	27	29	29	1	1
2	22	23	22	23	24	26	26	28	30	30	2	2
3	23	24	23	24	25	27	27	29	1	1	3	3
4	24	25	24	25	26	28	28	1	2	2	4	4
5	25	26	25	26	27	29	29	2	3	3	5	5
6	26	27	26	27	28	30	1	3	4	4	6	6
7	27	28	27	28	29	1	2	4	5	5	7	7
8	28	29	28	29	1	2	3	5	6	6	8	8
9	29	1	29	1	2	3	4	6	7	7	9	9
10	30	2	30	2	3	4	5	7	8	8	10	10
11	1	3	1	3	4	5	6	8	9	9	11	11
12	2	4	2	4	5	6	7	9	10	10	12	12
13	3	5	3	5	6	7	8	10	11	11	13	13
14	4	6	4	6	7	8	9	11	12	12	14	14
15	5	7	5	7	8	9	10	12	13	13	15	15
16	6	8	6	8	9	10	11	13	14	14	16	16
17	7	9	7	9	10	11	12	14	15	15	17	17
18	8	10	8	10	11	12	13	15	16	16	18	18
19	9	11	9	11	12	13	14	16	17	17	19	19
20	10	12	10	12	13	14	15	17	18	18	20	20
21	11	13	11	13	14	15	16	18	19	19	21	21
22	12	14	12	14	15	16	17	19	20	20	22	22
23	13	15	13	15	16	17	18	20	21	21	23	23
24	14	16	14	16	17	18	19	21	22	22	24	24
25	15	17	15	17	18	19	20	22	23	23	25	25
26	16	18	16	18	19	20	21	23	24	24	26	26
27	17	19	17	19	20	21	22	24	25	25	27	27
28	18	20	18	20	21	22	23	25	26	26	28	28
29	19		19	21	22	23	24	26	27	27	29	29
30	20		20	22	23	24	25	27	28	28	30	30
31	21		21		24		26			29		

The Dayes of the Moneth.

The dayly Age of the Moon this Year, 1662.

Last quarter 22 days 42 hours 12 min. in the morning.
New moon 29 days 12 hours 48 min. in the morning.

A Table shewing the hour and minut of high Water at *Leith* for every day of the Moons age, increasing or decreasing.

Moons Age	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Hours	16	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Minutes	44	32	20	8	56	44	32	20	8	56	44	32	20	8	56

The use of the preceeding Table is this:
First, Know the day of the moneth, which you shall seek for on the other side, and over against the day found under the respective Month (in the common Angle) you shall find the age of the Moon. — With which age of the Moon, if you enter this small Table above, you shall (by inspection only) know the hour and minut of full Sea (or high Water) at *Leith*, &c. Example, the first day of *January*, I find the age of the Moon 21, with which I enter the little Table, and I find the same age of the Moon 21, and under that 6. 44. viz. 6. hours 44. minutes. intimating, that at 6 hours 44 min. past, it will be full Sea or high Water at *Leith*, &c. That is to say, in the morning or afternoon; so you must know that every 12 hours it is high Water at *Leith*: Also, that every tide alters 24 min. of time, so that the afternoon tide is 24 min. latter then mornings tide.